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[REDACTED]

April 21, 1960

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Declass Review by NIMA/DOD

[REDACTED]
P. O. Box 974
Washington 4, D. C.

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Subject: Proposal [REDACTED]

Dear [REDACTED]

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This letter is a proposal to expand the statement of work on Task #2 currently being performed by [REDACTED] to include certain tasks associated with planning the installation and use of a large-scale digital computer.

The goal of the proposed work is to provide a time-phased and costed plan for the orderly performance of the work required for the effective installation of a new computing system. The plan, properly implemented, will ensure effective utilization of the computer within a short time after its installation.

Development of this plan involves the following tasks, which were started April 18, 1960, at your request.

(1) Ordering of problems to be programmed for the computer. This task involves a study of potential computer applications to be performed, including both photogrammetric computations and information retrieval. Factors being considered in making this evaluation include priority of each project, potential payoff, programming and analysis requirements, availability of [REDACTED] programs, and machine time requirements. Output from this section of the study will include a list of applications to be programmed, a schedule of starting and completion times for programming, and estimates of the programming costs involved.

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(2) Plan for design of computing system. By computing system is meant the complex of programming aids, compilers, automatic operating system, etc., which will be used in the computer center. A survey is being made of such programs that have been written or planned by the manufacturer and others; these programs are being evaluated and a plan is being formulated for an efficient computing system. A list of routines (in addition to those already written or planned) necessary for the operation of the computing system is being compiled, and schedules and cost estimates for their completion are being prepared.

(3) Personnel and training. It is understood that it will be desirable to operate the computing facility with a minimum of programming personnel. Estimates will be made of the programming strength necessary to maintain the production and operating programs which are to be run. Operator requirements will also be estimated. A hiring and training schedule will be prepared which will ensure the presence of appropriate operator and programming personnel when the machine is delivered.

(4) Installation and facilities. Lists of ancillary equipment and supplies necessary for the effective operation of the chosen computer configuration will be supplied. These items include data conversion devices, magnetic tapes, cards, tape and storage devices, data preparation devices, etc. Prices and a purchase schedule will be supplied for these items. Site preparation costs and schedules will also be provided. Requirements for floor space, power, false flooring, air conditioning and humidity control, storage areas, data preparation areas, etc., will be listed.

As indicated, the foregoing tasks are underway and will be completed by September 1, 1960.

It is estimated that eight man months of effort will be required to perform these tasks. Personnel assigned to these tasks include:

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Total additional cost for this work is estimated to be

[] This cost is itemized in an attachment to this letter.

Very truly yours,

**[]
President**

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